

Service Manual

ORDER NO.
RRV3602

DVD RECORDER

DVR-650H-S

DVR-550H-S

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Region No.	Serial No. Please confirm 3rd & 4th alphabetical letters.
DVR-650H-S	TFXV	AC 110 V to 240 V	3	&&DL#####\$\$
DVR-650H-S	TAXV5	AC 110 V to 240 V	6	&&DL#####\$\$
DVR-550H-S	TFXV	AC 110 V to 240 V	3	&&DL#####\$\$
DVR-550H-S	TAXV5	AC 110 V to 240 V	6	&&DL#####\$\$

This service manual should be used together with the following manual(s):

Model	Order No.	Remarks
DVR-650H-K/KC XV	RRV3567	

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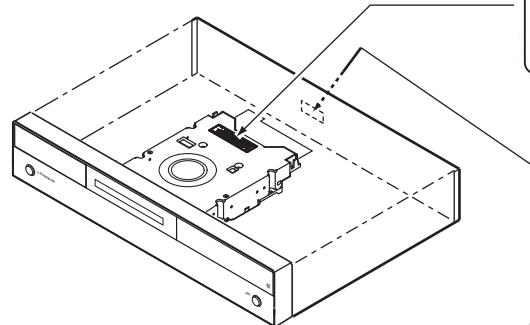
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SAFETY INFORMATION

LABEL CHECK (For TAXV5 type)



注意：若打开会发生可见和不可见的
镭射辐射，请勿受辐射。

VRW2356

VRW2356



LITHIUM BATTERY NOTICE

CAUTION

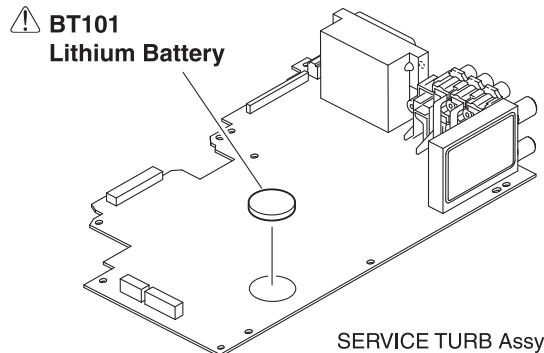
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the manufacturer. Discard used
batteries according to the manufacturer's instructions.

When replacing the lithium batteries, follow the note below.
Dispose of the used battery promptly. Keep away from
children. Do not disassemble and do not dispose of in
fire.

The battery used in this device may present a fire or chemical
hazard if mistreated. Do not recharge, disassemble, heat
above 100°C or incinerate. Replace only with the same Part
Number. Use of another battery may present a risk of fire
or explosion.

Note : The lithium battery installation position is shown in
the exploded views.

E Exploded Views



1. CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The **▲** mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screws adjacent to **▼** mark on product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)
- Nos. indicate the pages and Nos. in the service manual for the base model.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 x 10¹ → 561 RD1/4PU 5|6|J J

47k Ω → 47 x 10³ → 473 RD1/4PU 4|7|3 J

0.5 Ω → R50 RN2H R|5|0 K

1 Ω → 1R0 RS1P 1|R|0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 x 10¹ → 5621 RN1/4PC 5|6|2|1 F

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1.1 CONTRAST TABLE

1.1.1 FOR DVR-650H-S/TFXV and TAXV5

DVR-650H-K/KCJV, DVR-650H-S/TFXV and DVR-650H-S/TAXV5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DVR-650H-K/ KCJV	DVR-650H-S/ TFXV	DVR-650H-S/ TAXV5	Remarks
NSP		PCB ASSEMBLIES				
▲	P93-1	1..TUJB Assy	VWM2437	VWM2437	VWM2441	
▲	P93-5	2..SERVICE TURB Assy	VXX3251	VXX3251	VXX3256	
▲	P93-5	1..POWER SUPPLY Assy	VWR1408	VWR1407	VWR1407	*1
NSP		PACKING SECTION				
▲	P91-1	Power Cable	ADG7021	ADG7097	ADG7083	
▲	P91-2	Warranty Card	ARY7045	Not used	ARY7046	
▲	P91-3	RF Antenna Cable	VDE1088	VDE1088	VDE1075	
▲	P91-8	Packing Case	VHG2839	VHG2826	VHG2825	
	P91-11	Operating Instructions (English)	VRB1462	VRB1463	Not used	
	P91-12	Operating Instructions (French)	VRC1382	Not used	Not used	
	P91-13	Quick Start Guide (English)	VRG1021	Not used	Not used	
	P91-14	Quick Start Guide (French)	VRG1022	Not used	Not used	
		Operating Instructions (Trad-Chinese)	Not used	VRC1402	Not used	
		Operating Instructions (Simp-Chinese)	Not used	Not used	VRC1403	
	P91-15	HDD Caution 8L	VRR1071	VRR1071	Not used	
	P91-16	HDD Caution 8L B	VRR1076	VRR1076	Not used	
		HDD Caution (Chinese)	Not used	Not used	VRR1073	
	P91-17	Remote Control	VXX3223	VXX3247	VXX3247	
	P91-18	Battery Cover	VZN1004	AZA7424	AZA7424	
	P91-19	Top Cover	VZN1022	Not used	Not used	
		EXTERIOR SECTION				
	P93-27	Rear Panel	VNA3022	VNA3011	VNA3010	
	P93-36	Bonnet Case S	VXX3250	VXX3238	VXX3238	
	P93-44	Screw	BSZ30P060FBN	BSZ30P040FTC	BSZ30P040FTC	
	P93-50	Laser Caution Label	VRW2262	VRW2262	VRW2356	For Bonnet Case S
		FRONT PANEL SECTION				
	P95-2	PIONEER Badge	VAM1153	VAM1148	VAM1148	
	P95-12	Function Key	VNK6164	VNK6163	VNK6163	
	P95-13	Key Top PW	VNK6239	VNK6166	VNK6166	
	P95-15	Key Top REC	VNK6240	VNK6182	VNK6182	
	P95-16	CI Cover	VNK6229	VNK6188	VNK6188	
	P95-17	Front Panel	VNK6238	VNK6254	VNK6254	
	P95-19	Door	VXA2879	VXA2892	VXA2892	

*1: POWER SUPPLY Assy has no service part.

1.1.2 FOR DVR-550H-S/TFXV and TAXV5

DVR-550H-K/KCJV, DVR-550H-S/TFXV and DVR-550H-S/TAXV5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DVR-550H-K/ KCJV	DVR-550H-S/ TFXV	DVR-550H-S/ TAXV5	Remarks
NSP	P93-1	PCB ASSEMBLIES 1..TUJB Assy 2..SERVICE TURB Assy 1..POWER SUPPLY Assy	VWM2437 VXX3251 VWR1408	VWM2437 VXX3251 VWR1407	VWM2441 VXX3256 VWR1407	*1
NSP	P91-1	PACKING SECTION Power Cable	ADG7021	ADG7097	ADG7083	
	P91-2	Warranty Card	ARY7045	Not used	ARY7046	
	P91-3	RF Antenna Cable	VDE1088	VDE1088	VDE1075	
	P91-8	Packing Case	VHG2807	VHG2831	VHG2830	
B	P91-11	Operating Instructions (English)	VRB1462	VRB1463	Not used	
	P91-12	Operating Instructions (French)	VRC1382	Not used	Not used	
	P91-13	Quick Start Guide (English)	VRG1021	Not used	Not used	
	P91-14	Quick Start Guide (French)	VRG1022	Not used	Not used	
		Operating Instructions (Trad-Chinese)	Not used	VRC1402	Not used	
		Operating Instructions (Simp-Chinese)	Not used	Not used	VRC1403	
	P91-15	HDD Caution 8L	VRR1071	VRR1071	Not used	
	P91-16	HDD Caution 8L B	VRR1076	VRR1076	Not used	
		HDD Caution (Chinese)	Not used	Not used	VRR1073	
C	P91-17	Remote Control	VXX3223	VXX3247	VXX3247	
	P91-18	Battery Cover	VZN1004	AZA7424	AZA7424	
	P91-19	Top Cover	VZN1022	Not used	Not used	
	EXTERIOR SECTION					
	P93-27	Rear Panel	VNA2995	VNA3016	VNA3015	
	P93-36	Bonnet Case S	VXX3250	VXX3238	VXX3238	
	P93-44	Screw	BSZ30P060FBN	BSZ30P040FTC	BSZ30P040FTC	For Bonnet Case S
	P93-50	Laser Caution Label	VRW2262	VRW2262	VRW2356	
	FRONT PANEL SECTION					
D	P95-2	PIONEER Badge	VAM1153	VAM1148	VAM1148	
	P95-12	Function Key	VNK6164	VNK6163	VNK6163	
	P95-13	Key Top PW	VNK6239	VNK6166	VNK6166	
	P95-15	Key Top REC	VNK6240	VNK6182	VNK6182	
	P95-16	CI Cover	VNK6229	VNK6188	VNK6188	
	P95-17	Front Panel	VNK6238	VNK6254	VNK6254	
	P95-19	Door	VXA2879	VXA2893	VXA2893	

*1: POWER SUPPLY Assy has no service part.

1.2 CONTRAST OF PCB ASSEMBLIES

AF SERVICE TURB ASSY

VXX3251 and VXX3256 are constructed the same except for the following:

Mark	Symbol and Description	VXX3251	VXX3256
	IC601	Not used	MSP3455G
	Q301	Not used	UMD2N
	Q302, Q606	Not used	2SC4081
	Q601, Q604, Q605	Not used	2SA1576A
	Q603	2SC4081	Not used
	X601 (18.432 MHz)	Not used	VSS1189
	L303, L601, L606, L608	Not used	CTF1399
	L607	Not used	LCYA101J2520
	L609	Not used	LCYA100J2520
	U601 TV TUNER PACK	VXF1103	VXF1105
	R119	RD1/4PU393J	RD1/4PU333J
	R120	RD1/4PU682J	RD1/4PU273J
	R149, R603, R608, R615, R616	Not used	RS1/16S0R0J
	R167, R304, R621, R622, R633	Not used	RS1/16S101J
	R409, R411	RS1/16S681J	Not used
	R434, R466, R469, R471, R473	RS1/10S0R0J	RS1/10S3R9J
	R475, R477, R480, R481	RS1/10S0R0J	RS1/10S3R9J
	R601, R604, R613, R614	RS1/16S0R0J	Not used
	R602, R623, R626	Not used	RS1/16S102J
	R619	Not used	RS1/16S103J
	R620	Not used	RS1/16S0R0J
	R624, R625, R627, R628	Not used	RS1/16S332J
	R630	Not used	RS1/16S331J
	R631	Not used	RS1/16S472J
	R632	Not used	RS1/16S220J
	R634	Not used	RS1/16S222J
	C305, C306, C614	Not used	CKSRYF104Z25
	C307, C308	Not used	CEAT101M16
	C602	Not used	CKSRYB222K50
	C611	Not used	CEAT220M25
	C613, C620, C625	Not used	CKSRYF105Z10
	C615	Not used	CCSRCH101J50
	C616, C628, C631	Not used	CKSRYB103K50
	C617, C618, C619, C626	Not used	CKSRYF104Z25
	C621, C622	Not used	CCSRCH560J50
	C623, C624	Not used	CCSRCH5R0C50
	C627	Not used	CCSRCH102J50
	C629, C632	Not used	CKSRYB392K50
	C630, C633	Not used	CCSRCH561J50
	C635, C636	Not used	CCSRCH220J50
	C638, C641	Not used	CEAT100M50
	C639	Not used	CEAT3R3M50
	C640, C642, C643	Not used	CEAT101M10

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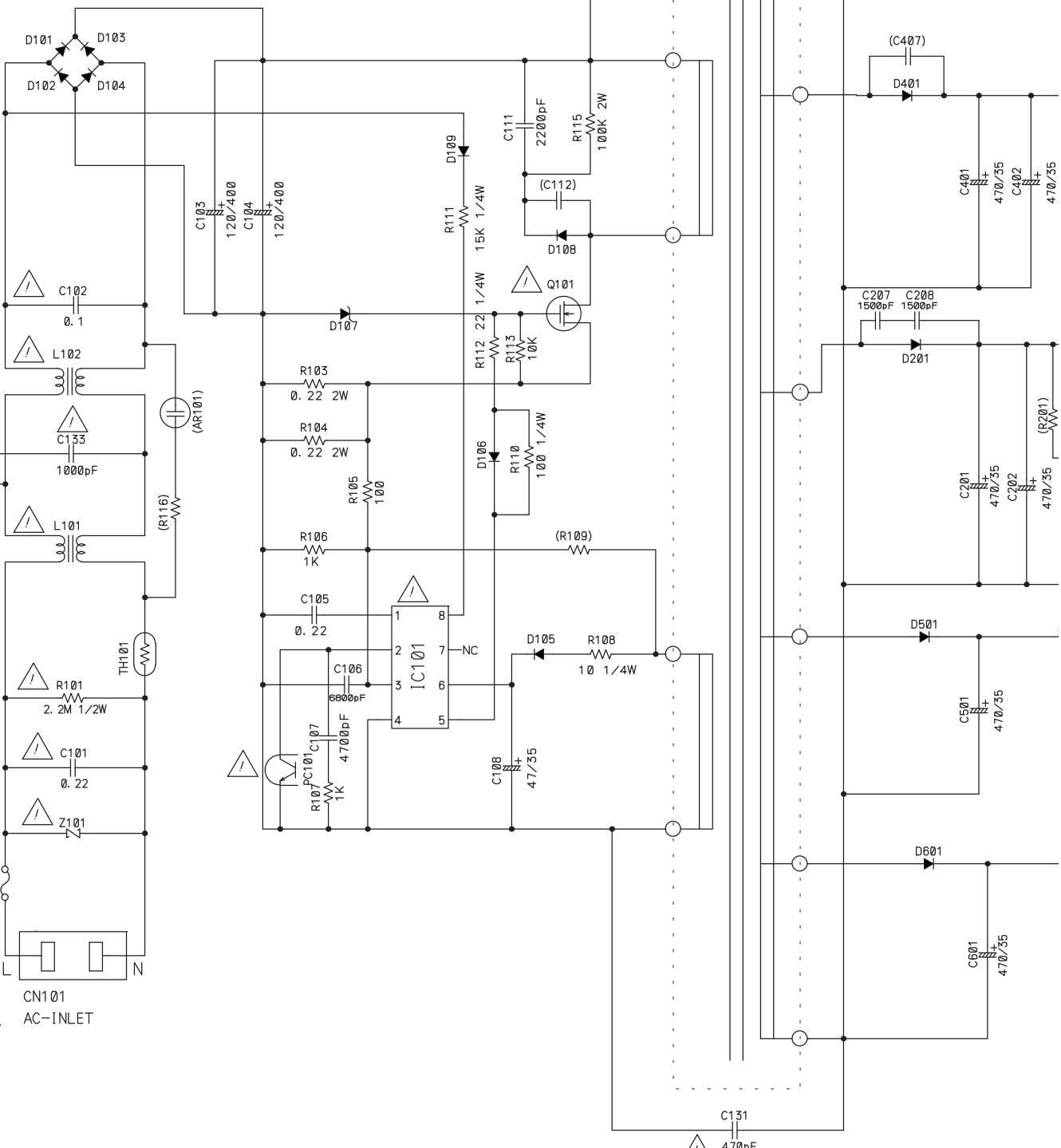
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2. SCHEMATIC DIAGRAM

A

GF POWER SUPPLY ASSY (VWR1407)

B



B

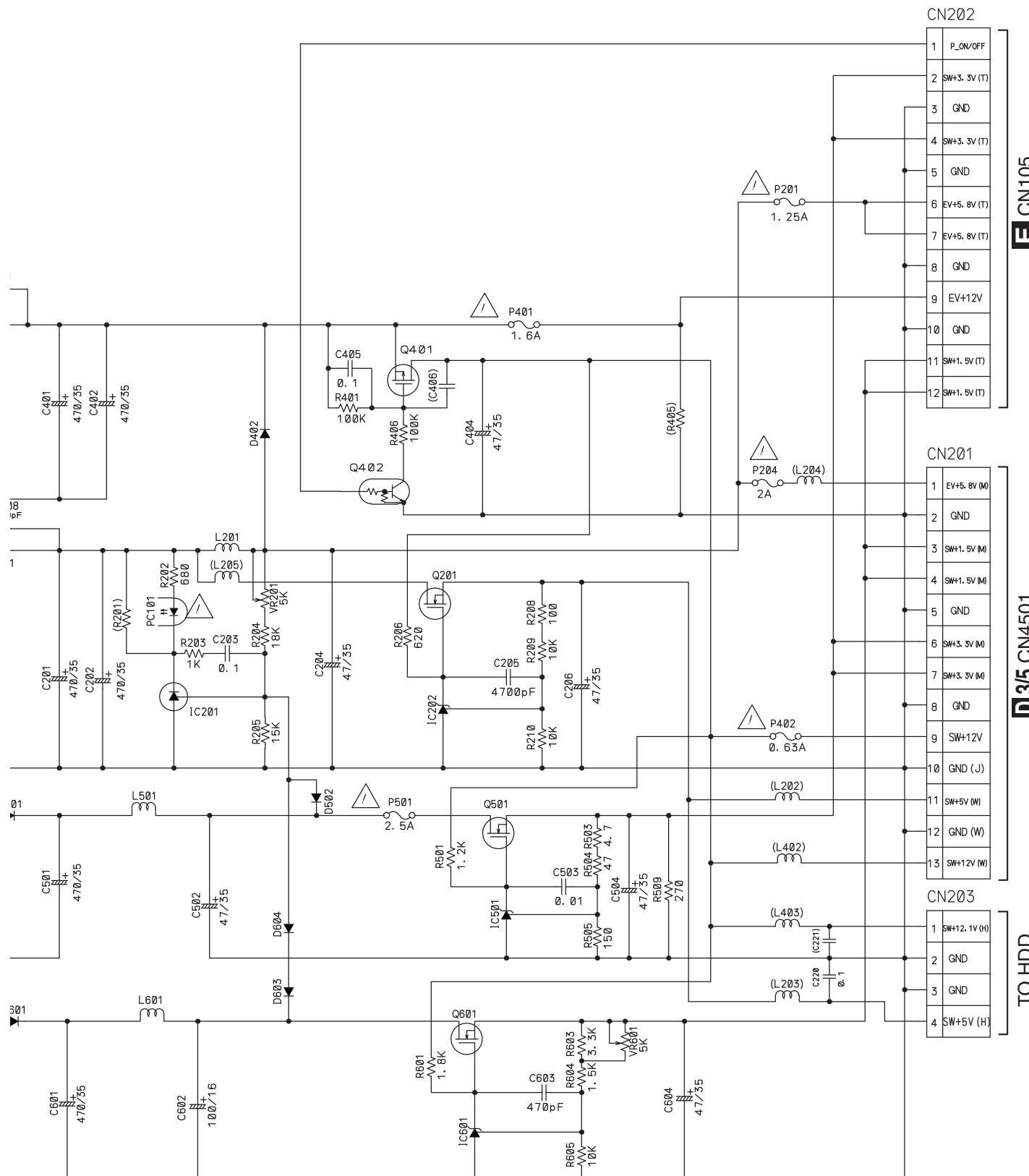
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GF



Unit	Resistor	Ω/W (under 1/4W for no direction W)
Unit	Capacitor	$\mu F/V$ (under 50V for no direction V)

3. PCB DIAGRAM

SIDE A

SIDE A

IC | Q

Q

IC501 IC601

IC501 IC601

MITSUMI ELEC.CO.,LTD.
JP215 0000 SRV2029WW

DVR-650H-S

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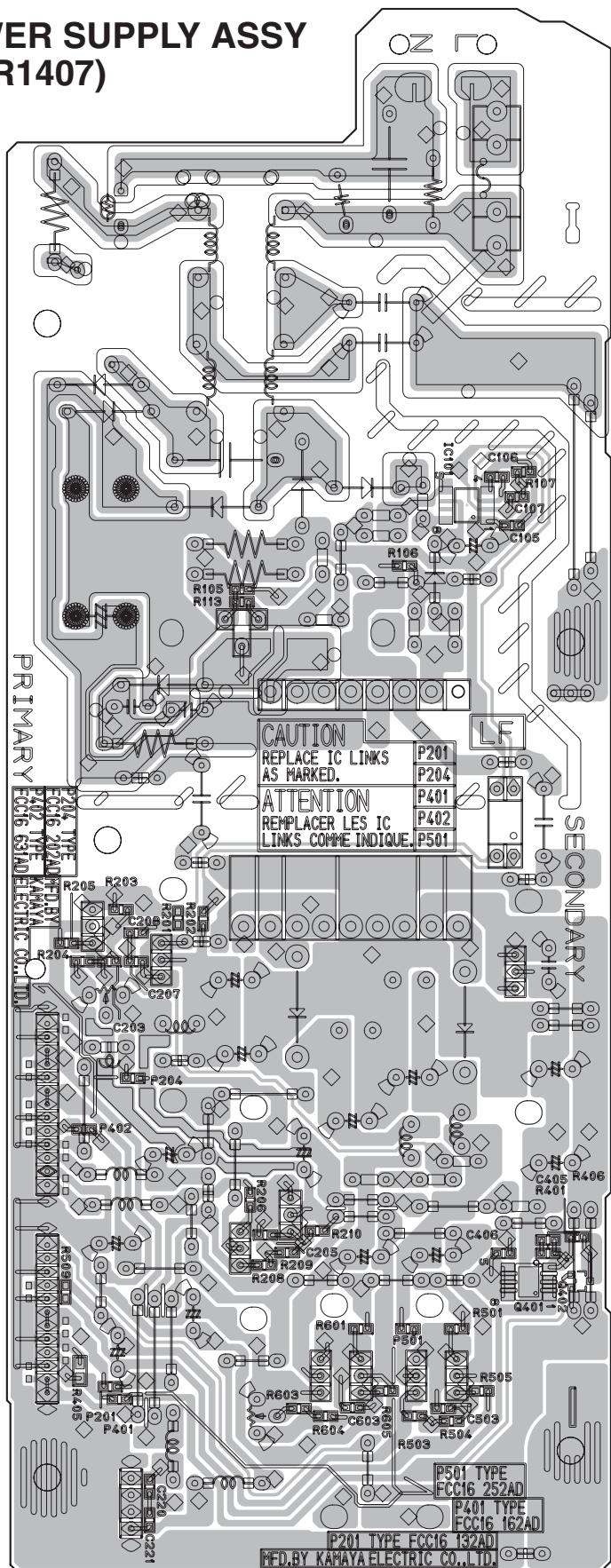
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SIDE B

SIDE B

G F POWER SUPPLY ASSY (VWR1407)



GF

GF